SAFETY CONCERNS

The purpose of the Safety Concerns section is to ensure the safety of users and prevent property damage. Please read this document carefully for proper use.

Conventions

Warning

Provides information or instructions that you should follow in order to avoid personal injury or fatality.

Caution

Provides information or instructions that you should follow in order to avoid a service failure or damage to your STB.

Note

Indicates additional information for referrence.

Checks

Provides the operator with checkpoints for stable system operation.

Symbols

Caution

Indication of a general caution

Restriction

Indication for prohibiting an action for a product

Instruction

Indication for commanding a specifically required action

WARNING

Doing so may cause a fire or electric shock.

Power

- Insert the power plug firmly.
- Do not touch the main body, power cord, or power plug with wet hands.
- Do not connect multiple devices to a single outlet simultaneously.
- If video/sound cable generates heat after connection, pull out the power cord and contact customer service immediately.

Installation/Maintenance

- Install the product in an area with good ventilation.
- Do not install in humid or dusty areas, and avoid installing near heating devices.
- Keep flammable substances or sprays away from the STB.
- Do not place heavy objects on this product.
- Do not cover the top.
- Pull out the power plug during thunderstorms or when not used for a prolonged period of time.
- Pull out the power plug at once and contact customer service if unusual noise, smell, or smoke comes out.

General

- Check if the coaxial cable is correctly grounded before connecting to the STB.
- Class 1 LED Product.
- Ask the installation engineer to check if the STB to be connected is correctly grounded.
- This product complies with 21 CFR Chapter 1, subchapter J

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CAUTION

Doing so may cause the damage to the product and the product to be out of order.

Power

- Connect your TV after powering off the TV and the STB by pulling out the power plugs.
- The socket-outlet shall be installed near the equipment and shall be easily accessible
- Do not insert the power plug before connecting the power cable to the product.
- Before connecting the power source, permanent protective earth connection to the Cable distribution should be made

Installation/Maintenance

- Install the product correctly complying with the instructions in the user guide.
- Do not spray water directly on the unit and do not use chemical solvents such as wax, mosquito spray, alcohol or detergent.
- Do not place the product on unstable support.
- Do not disassemble, repair, or remodel.
- No connection to Antenna.
- Do not remove the CableCARD™ from the STB.
- Do not place any metal items such as pins, paper clips or coins on the top of the product.
- Risk of Electric Shock, Do NOT OPEN.
- Wipe the product with a soft and dry cloth when cleaning.

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BEFORE USE

Digital HD STB

Digital HD OCAP STB (Digital High-Definition OpenCable Application Platform Set-Top Box) provides high quality video and audio broadcasting, and interactive services including Video-On-Demand.

Digital HD STB (SMT-H3260) provides the following functions.

- An MPEG decoder capable of processing HD/SD stream
- SCTE55-1, 55-2 and DOCSIS Cable Modem for OOB Signaling
- Digital AV transmission, such as IEEE1394 and HDMI
- Content Protection
- CableCARD Interface for CAS
- OCAP™ 1.0 application platform

Checking Items

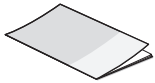
Please make sure the following items are contained in your product package box.

SMT-H3260

Audio Cable

Video Cable (Component Cable)

Power Cable



User guide

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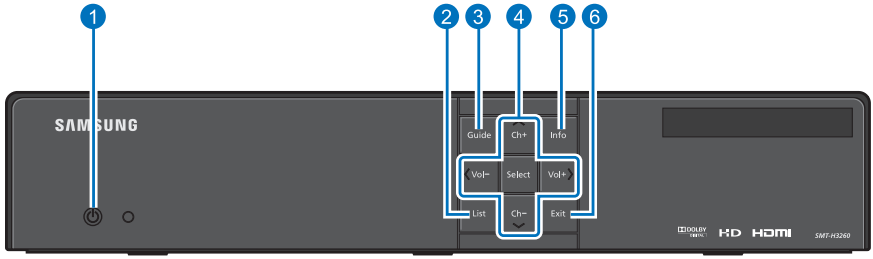
Names and Functions

Names and functions on the front and rear panel of Set-top box are described as follows:

Front Panel

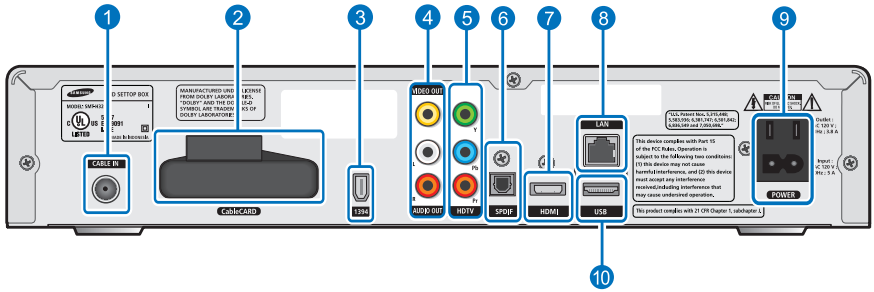
The buttons and LEDs on the front are described as follows:



Name	Function
1 **[Active/Standby] Button**	Enable/Disable Standby mode. When Standby mode is on, the LED display is dimmed and all the A/V outputs are disabled. In normal operation mode, the Blue LED Bar to the left of front panel keys is illuminated - Active Mode: The STB is in operation mode and you can get broadcasting. - Standby Mode: The power is supplied and it is in ready to active status.
2 **List Button**	Listing the home network contents (option).
3 **Guide Button**	Move to the **[On screen Guide]** screen.
4 **CH±/Vol±/Select Button**	- [Ch+] [Ch-]: menu movement, channel selection. - [Vol+] [Vol-]: menu movement, volume adjustment. - **[Select]:** select the menu.
5 **Info Button**	Check the current channel number and display the selected menu or detailed information of an item.
6 **Exit Button**	Exit menus, guide and program information.

Rear Panel

The port names and functions of the rear panel are described as follows:



Name	Function
❶ **CABLE IN**	Connect the coaxial cable that transmits the signal from the Cable Service Provider.
❷ **CableCARD Slot**	Allows CableCARD access.
❸ **1394**	Connect an IEEE1394 cable to IEEE1394 (Firewire) supported HDTV.
❹ **VIDEO/AUDIO OUT**	Connect a RCA cable to send an analog Video/Audio signal to the TV or VCR.
❺ **Y/Pb/Pr Out (HDTV)**	Connect the component output ports to the component input on your HDTV.
❻ **SPDIF**	Connect an optical cable to send a digital audio signal to a digital audio device.
❼ **HDMI**	Connect a HDMI cable to a HDMI supported HDTV.
❽ **LAN**	Connect a LAN cable to a LAN port of another STB. (Optional function)
❾ **POWER**	Connect the power cord to supply AC power to the STB.
❿ **USB**	Connect to external USB devices, such as a keyboard or mouse.

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CableCARD™

CableCARD is an STB authorization device, which allows subscribers to watch digitally encrypted programs.

CableCARD is inserted by the service provider when a digital broadcasting receiver is installed.

CableCARD Use

Do not remove the CableCARD. CableCARD failure or service disruption may occur.

INSTALLATION

Follow the instructions below to see how to install the Digital HD STB.

Installation Environment

The proper installation environment for the STB is as follows.

Item	Description
Operation Temperature	32~104 ˚F
Operation Humidity	Equal to or lower than 95% (104 ˚F)
Power Consumption	23W Max.
Rated Input Voltage	AC 120 V, 60 Hz
Channel Input Frequency	54~1002 MHz

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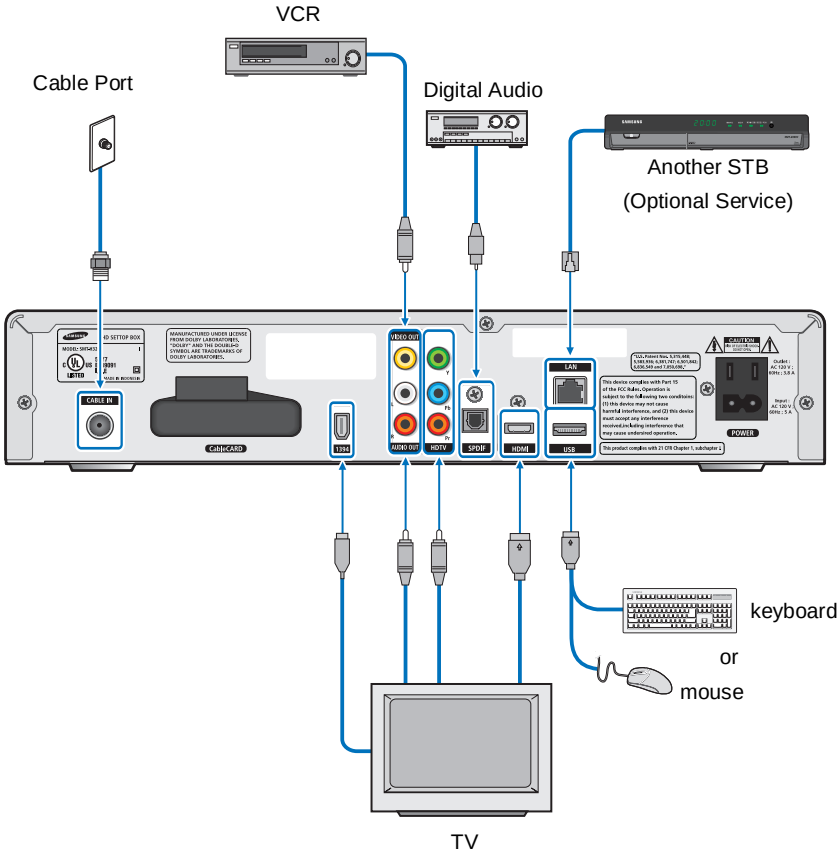
Peripheral Device Connection

The method of connecting the cable and each peripheral device to the STB is as follows:

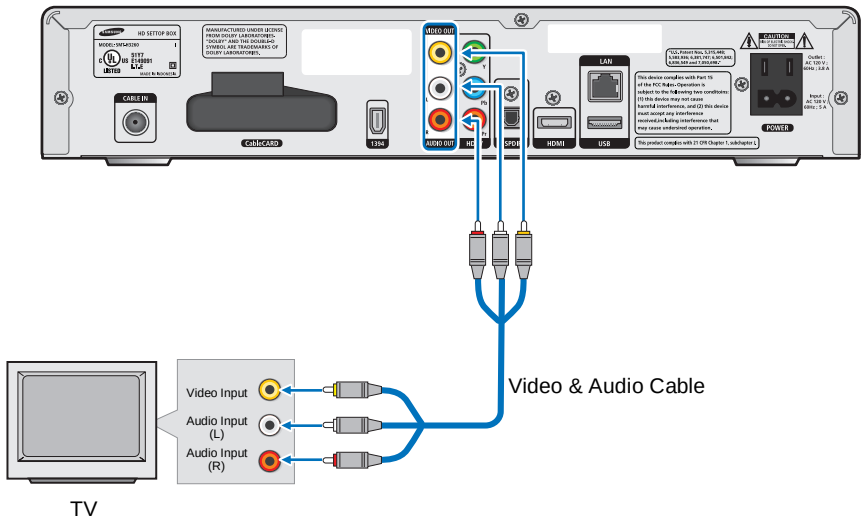


(The product image may differ from the actual product.)

Connection Device	Reference Page	Connection Device	Reference Page
TV	13~15	**Home Network**	18
VCR	17	**USB**	20
Digital Audio	16		

Connection to a TV Having Composite Inputs

Below is the method for connecting to a TV having composite Inputs.



Video Connection

Connection to the VIDEO OUT jack

Using the yellow video connector of a Video & Audio cable, connect the **VIDEO OUT** jack on the rear panel of the STB to the **Video Input** jack on the TV.

Audio Connection

Using the provided Audio cable or audio connectors of Video & Audio cable, connect the **AUDIO OUT (L/R)** jacks on the rear panel of the STB to the **Audio Input (L/R)** jacks on the TV. Be sure to match the audio jacks with the plugs of the same color.

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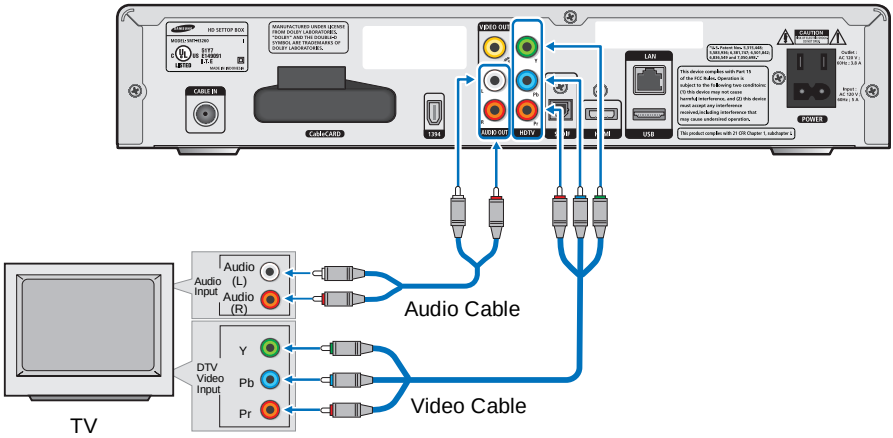
Connection to a TV Having Component Jacks (Y, Pb, Pr)

See below to connect to a TV having a Component port (Y, Pb, Pr).

When connecting the Component Video and Audio cables, be sure to match the jacks to the plugs of the same color.



Video Connection

Using the provided Component Video cable, connect the **Y, Pb, Pr (HDTV)** jack on the rear panel of the STB to the **Y, Pb, Pr (DTV Video Input)** jack on the TV.

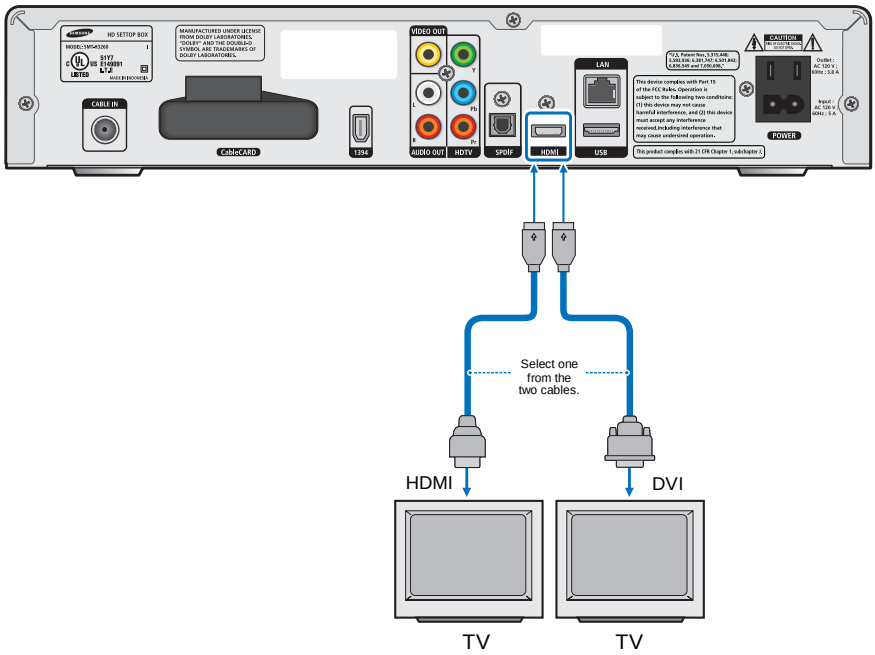
Audio Connection

Using the offered Audio cable, connect the **AUDIO OUT (L/R)** jacks on the rear panel of the STB to the **Audio Input (L/R)** jacks on the TV.

Be sure to match the audio jacks with the plugs of the same color.

HDMI Cable Connection

This section describes how to connect the television to the STB by using an HDMI cable.



HDMI Connection

Connect the **HDMI** output port on the rear panel of the STB with the **HDMI** input port of your digital TV by using an HDMI cable (Not provided). An HDMI cable carries both the digital Video and digital Audio signals; a separate audio connection to your TV is not needed.

DVI Connection

Connect the **HDMI** output port on the rear panel of the STB with the **DVI input** port of your digital TV by using the HDMI-DVI conversion cable (Not provided).
If using a DVI cable you must connect the **AUDIO OUT (L/R)** jacks on the rear panel of the STB to the **Audio Input (L/R)** jacks on the TV

NOTE

High Definition Multimedia Interface (HDMI)

The HDMI port provides high-definition video and is the highest quality video connection.

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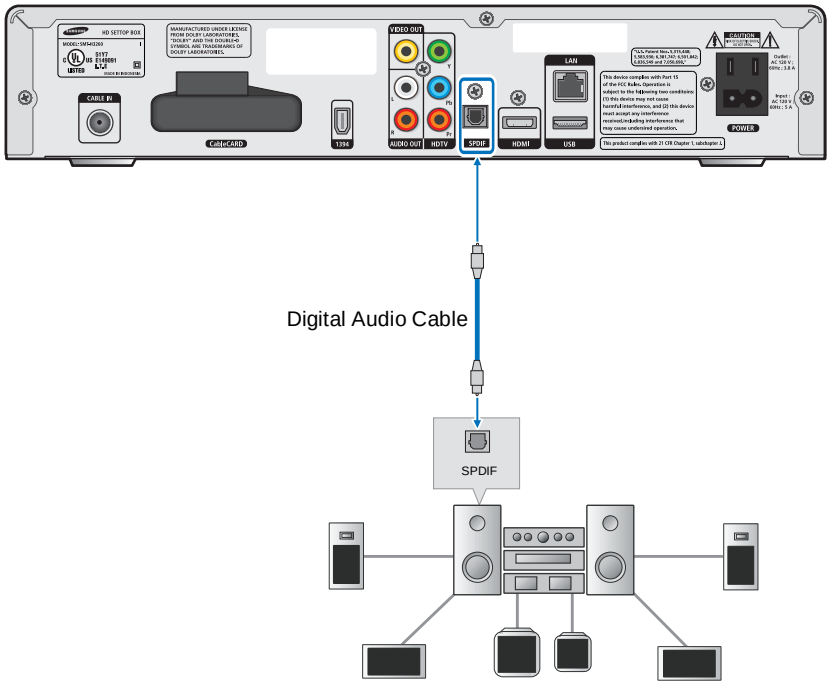
Amplifier Connection

See below to connect a receiver amplifier (an amplifier or Home Theater that can decode Dolby Digital sound).

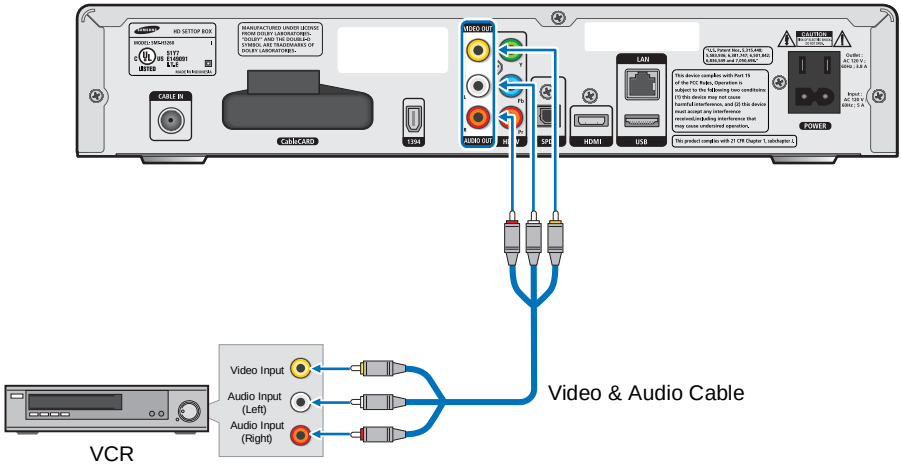


Using an Optical cable, connect the **SPDIF** port of the Dolby digital amplifier to the **SPDIF** port on rear panel of the STB.

Use the connection to enjoy the digital sound of 5.1 channels.

VCR Connection

See below to connect a VCR to the STB.



Video Connection

Connection to VIDEO OUT jack

Using the yellow video connector of a Video & Audio cable, connect the **VIDEO OUT** jack on the rear panel of the STB to the **Video Input** jack on the VCR.

Audio Connection

Using the offered Audio cable or audio connectors of Video & Audio cable, connect the **AUDIO OUT (L/R)** jacks on the rear panel of the STB to the **Audio Input (L/R)** jacks on the VCR. Be sure to match the audio jacks with the plugs of the same color.

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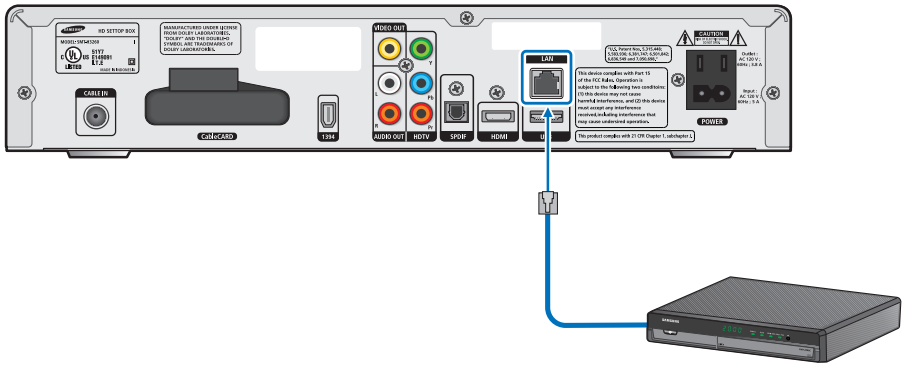
Home Network Connection (optional service)

This section describes how to connect another STB to your STB by using an Ethernet Cable.

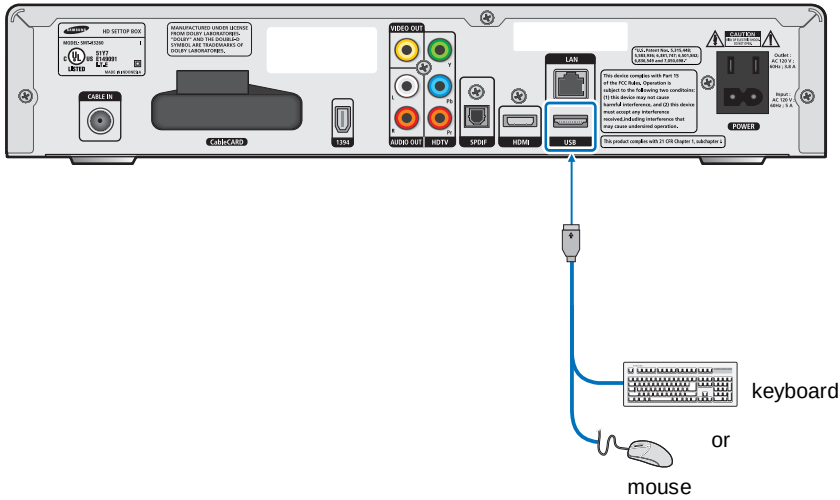


Another Set-top box

Connect the **LAN** port on the rear of the STB with the **LAN** port of another STB by using an Ethernet cable.

USB Connection

This section describes how to connect additional USB devices like USB a keyboard or mouse.



Connect the **USB** port on rear of the STB with USB devices by using USB cable.

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TROUBLESHOOTING

This section describes problems you may encounter while using SMT-H3260.
If a problem occurs in SMT-H3260, check the following items first.

Screen

Trouble	Solution
The TV screen does not display any video.	1. Check if the power of the TV and Set-top box are turned on. 2. Verify the cables are connected properly to the TV 3. Check if the STB is selected as the TV's source.

Remote Control

Trouble	Solution
The remote control does not operate.	1. Check if the remote control is suitable for use with the STB. 2. Check if the remote control operates normally after changing the batteries. 3. Check if the batteries are inserted correctly in the remote control. 4. Check if any obstacle exists between the STB and the remote control. 5. Check if the remote control operates normally when used at a close distance.

General

Trouble	Solution
You can not hear Audio from TV or Amplifier system	1. Check if the audio jacks of the TV are properly connected to the audio output jacks of the STB. 2. If the audio cable is connected properly, check if the mute function is set. If the mute function is set, press the **[Mute]** button of the remote control in order to release the mute function.

ANNEX

Specification

The specification of SMT-H3260 as follows:

Category	Description
Video Output	Composite (VIDEO OUT), Component(Y, Pb, Pr)
Audio Output	Stereo L/R (AUDIO OUT), SPDIF Optic(SPDIF)
Video/Audio Output	HDMI, IEEE1394
USB Port	USB 2.0
OOB (Out of Band)	**FDC (Forward Data Channel)** - RF Input Tuning Range: 70 MHz to 130 MHz. - RF Input level range: -15 to +15 dBmV - Format: SCTE 55-1, 55-2 **RDC (Reverse Data Channel)** - RF Output Frequency Range: 5 MHz to 42 MHz. - Transmit level range: +26 to +60 dBmV - Encoding: QPSK
DSG (DOCSIS Set-top Gateway)	**Downstream** - RF Input Tuning Range: 88 to 860 MHz - RF Input Modulation: 64QAM/256QAM - RF Input level range: -15 to +15 dBmV **Upstream** - RF Output Frequency Range: 5 MHz to 42 MHz. - RF Output Modulation: QPSK/16QAM, 64QAM - Transmit level range: +8 to +60 dBmV
Rated Input Voltage	AC 120 V, 60 Hz
Power Consumption	23 W Max.
Operation Temperature	32~104 ˚F
Size (inches)	13.7 (Width) x 9.3 (Depth) x 2.3 (Height)
Weight (Lb)	4.1
Size (mm)	350 (Width) × 238 (Depth) × 60 (Height)
Weight (kg)	1.89

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Cable Specifications

Category	Description
Channel Input Frequency	54 MHz to 1002 MHz
Cable Input Signal level Range	-15 to +15 dBmV
Cable Input Signal Modulation	64QAM/256QAM

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This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited consumer uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Macrovision Installation Recommendation

Do not connect the unit through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the television. Some PPV or VOD programs may be protected by copyright protection systems.

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B Class IT Device of Registration Compatible with Electromagnetic Waves for Home

This product can be used for home as device of the registration compatible with electromagnetic waves. This can be used in all areas.

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- Busybox
- xfsprogs
- dhcpcd
- tftpd
- fdisk

LGPL SOFTWARE

- libuClibc.so
- ld.so
- libc.so
- libm.so
- libpthread.so

To obtain the source code covered under those Licenses, please visit http://www.samsungnetwork.com/Home/opensource or contact opensrc.stb@samsung.com@samsung.com.

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   For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable.

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